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Fig. 1

CAGCCTGCCA	CTTGCCTCCC	TGCCTGCTTC	TGGCTGCCTT
GAATGCCTGG	TCCTTCAAGC	TCCTTCTGGG	TCTGACAAAG
CAGGGACCAT	GTCTACCTTT	GGCTACCGAA	GAGGACTCAG
TAAATACGAA	TCCATCGACG	AGGATGAACT	CCTCGCCTCC
CTGTCAGCCG	AGGAGCTGAA	GGAGCTAGAG	AGAGAGTTGG
AAGACATTGA	ACCTGACCGC	AACCTTCCCG	TGGGGCTAAG
GCAAAAGAGC	CTGACAGAGA	AAACCCCCAC	AGGGACATTC
AGCAGAGAGG	CACTGATGGC	CTATTGGAA	AAGGAGTCCC
AAAAACTCTT	GGAGAAGGAG	AGGCTGGGG	AATGTGGAAA
GGTTGCAGAA	GACAAAGAGG	AAAGTGAAGA	AGAGCTTATC
TTTACTGAAA	GTAACAGTGA	GGTTTCTGAG	GAAGTGTATA
CAGAGGAGGA	GGAGGGAGGAG	TCCCAGGAGG	AAGAGGAGGA
AGAAGACAGT	GACGAAGAGG	AAAGAACAAAT	TGAAACTGCA
AAAGGGATTA	ATGGAACGT	AAATTATGAT	AGTGTCAATT
CTGACAACTC	TAAGCCAAAG	ATATTTAAAA	GTCAAATAGA
GAACATAAAT	TTGACCAATG	GCAGCAATGG	GAGGAACACA
GAGTCCCCAG	CTGCCATTCA	CCCTTGTGGA	AATCCTACAG
TGATTGAGGA	CGCTTGAC	AAGATTAAAA	GCAATGACCC
TGACACCACA	GAAGTCAATT	TGAACAAACAT	TGAGAACATC
ACAACACAGA	CCCTTACCCG	CTTGCTGAA	GCCCTCAAGG
ACAACACTGT	GGTGAAGACG	TTCACTCTGG	CCAACACGCA
TGCCGACGAC	AGTGCAGCCA	TGGCCATTGC	AGAGATGCTC
AAAGCCAATG	AGCACATCAC	CAACGTAAAC	GTCGAGTCCA
ACTTCATAAC	GGGAAAGGGG	ATCCTGGCCA	TCATGAGAGC
TCTCCAGCAC	AACACGGTGC	TCACGGAGCT	GCGTTTCCAT

AACCAGAGGC	ACATCATGGG	CAGCCAGGTG	GAAATGGAGA
TTGTCAAGCT	GCTGAAGGAG	AACACGACGC	TGCTGAGGCT
GGGATACCAT	TTTGAACTCC	CAGGACCAAG	AATGAGCATG
ACGAGCATT	TGACAAGAAA	TATGGATAAA	CAGAGGCAAA
AACGTTGCA	GGAGCAAAAA	CAGCAGGAGG	GATACGATGG
AGGACCCAAT	CTTAGGACCA	AAGTCTGGCA	AAGAGGAACA
CCTAGCTCTT	CACCTTATGT	ATCTCCCAGG	CACTCACCCCT
GGTCATCCCC	AAAACTCCCC	AAAAAAAGTCC	AGACTGTGAG
GAGCCGTCTT	CTGTCTCCTG	TGGCCACACT	TCCTCCTCCT
CCCCCTCCTC	CTCCTCCTCC	CCCTCCTTCT	TCCCAAAGGC
TGCCACCACC	TCCTCCTCCT	CCCCCTCCTC	CACTCCCAGA
AAAAAAGCTC	ATTACCAGAA	ACATTGCAGA	AGTCATCAAA
CAACAGGAGA	GTGCCCAACG	GGCATTACAA	AATGGACAAA
AAAAGAAAAA	AGGGAAAAAAG	GTCAAGAAC	AGCCAAACAG
TATTCTAAAG	GAAATAAAA	ATTCTCTGAG	GTCAGTGCAA
GAGAAGAAAA	TGGAAGACAG	TTCCC <u>GACCT</u>	<u>TCTACCCCCAC</u>
<u>AGAGATCAGC</u>	<u>TCATGAGAAT</u>	<u>CTCATGGAAG</u>	<u>CAATTGGGG</u>
<u>AAGCAGGCATA</u>	<u>AAACAGCTAA</u>	<u>AGCGGGTGGA</u>	<u>AGTTCCAGAA</u>
<u>GCCCTGCGAT</u>	<u>GGGAACATGA</u>	<u>TCTTTAGAAG</u>	<u>AGGATGCAGA</u>
<u>ACTGTTCAGT</u>	<u>GGTATTACAT</u>	<u>GAAATGCATT</u>	<u>GTGAGATGTT</u>
<u>TCTAAATAC</u>	<u>CTTCTTCAAT</u>	<u>TCAAAATGAT</u>	<u>CCCTGACTTT</u>
<u>AAAATAATC</u>	<u>TCACCCATTA</u>	<u>ATTCCAAAGA</u>	<u>GAATCTTAAG</u>
<u>AA-CAATCAG</u>	<u>CATGTTCTT</u>	<u>CTGTAATAT</u>	<u>AAAATAAT</u>
<u>TTCTTTTTA</u>	<u>TGTCGT-poly(A) - tail</u>		

Fig. 2

CAGCCTGCCA	CTTGCCTCCC	TGCCTGCTTC	TGGCTGCCTT
GAATGCCTGG	TCCTTCAAGC	TCCTTCTGGG	TCTGACAAAG
CAGGGACCAT	GTCTACCTTT	GGCTACCGAA	GAGGACTCAG
TAAATAACGAA	TCCATCGACG	AGGATGAACT	CCTCGCCTCC
CTGTCAGCCG	AGGAGCTGAA	GGAGCTAGAG	AGAGAGTTGG
AAGACATTGA	ACCTGACCGC	AACCTTCCCG	TGGGGCTAAG
GCAAAAGAGC	CTGACAGAGA	AAACCCCCAC	AGGGACATT
AGCAGAGAGG	CACTGATGGC	CTATTGGGAA	AAGGAGTCCC
AAAAACTCTT	GGAGAAGGAG	AGGCTGGGGG	AATGTGGAAA
GGTTGCAGAA	GACAAAGAGG	AAAGTGAAGA	AGAGCTTATC
TTTACTGAAA	GTAACAGTGA	GGTTTCTGAG	GAAGTGTATA
CAGAGGAGGA	GGAGGAGGAG	TCCCAGGAGG	AAGAGGAGGA
AGAAGACAGT	GACGAAGAGG	AAAGAACAAAT	TGAAACTGCA
AAAGGGATTA	ATGGAACTGT	AAATTATGAT	AGTGTCAATT
CTGACAACTC	TAAGCCAAAG	ATATTTAAAA	GTCAAATAGA
GAACATAAAT	TTGACCAATG	GCAGCAATGG	GAGGAACACA
GAGTCCCCAG	CTGCCATTCA	CCCTTGTGGA	AATCCTACAG
TGATTGAGGA	CGCTTGAC	AAGATTTAAA	GCAATGACCC
TGACACCACA	GAAGTCAATT	TGAACAAACAT	TGAGAACATC
ACAACACAGA	CCCTTACCCG	CTTGCTGAA	GCCCTCAAGG
ACAACACTGT	GGTGAAGACG	TTCAGTCTGG	CCAACACGCA
TGCCGACGAC	AGTGCAGCCA	TGGCCATTGC	AGAGATGCTC
AAAGCCAATG	AGCACATCAC	CAACGTAAAC	GTCGAGTCCA
ACTTCATAAC	GGGAAAGGGG	ATCCTGGCCA	TCATGAGAGC
TCTCCAGCAC	AACACGGTGC	TCACGGAGCT	GCGTTCCAT
AACCAGAGGC	ACATCATGGG	CAGCCAGGTG	GAAATGGAGA

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TTGTCAAGCT	GCTGAAGGAG	AACACGACGC	TGCTGAGGCT
GGGATACCAT	TTTGAACTCC	CAGGACCAAG	AATGAGCATG
ACGAGCATT	TGACAAGAAA	TATGGATAAA	CAGAGGCAA
AACGTTGCA	GGAGCAAAAA	CAGCAGGAGG	GATACGATGG
AGGACCCAAT	CTTAGGACCA	AAGTCTGGCA	AAGAGGAACA
CCTAGCTCTT	CACCTTATGT	ATCTCCCAGG	CACTCACCC
GGTCATCCCC	AAAACTCCCC	AAAAAAGTCC	AGACTGTGAG
GAGCCGTCC	CTGTCTCCTG	TGGCCACACT	TCCTCCTCCT
CCCCCTCCTC	CTCCTCCTCC	CCCTCCTTCT	TCCCAAAGGC
TGCCACCAACC	TCCTCCTCCT	CCCCCTCCTC	CACTCCCAGA
GAAAAAAGCTC	ATTACCAGAA	ACATTGCAGA	AGTCATCAA
CAACAGGAGA	GTGCCAACG	GGCATTACAA	AATGGACAAA
AAAAGAAAAA	AGGGAAAAAG	GTCAAGAAC	AGCCAAACAG
TATTCTAAAG	GAAATAAAA	ATTCTCTGAG	GTCAGTGCAA
GAGAAGAAAA	TGGAAGACAG	TTCCCGACCT	TCTACCCCAC
AGAGATCAGC	TCATGAGAAT	CTCATGGAAG	CAATTGGGG
AAGCAGCATA	AAACAGCTAA	AGCGGGTGG	AGTTCCAGAA
GCCCTGCGAT	GGGAACATGA	TCTTTAGAAG	AGGATGCAGA
ACTGTTCAGT	GGTATTACAT	GAAATGCATT	GTGAGATGTT
TCTAAAATAC	CTTCTTCAAT	TCAAAATGAT	CCCTGACTTT
AAAAATAATC	TCACCCATTA	ATTCCAAAGA	GAATCTTAAG
AAACAAATCAG	CATGTTCTT	CTGTAAATAT	AAAAATAAAT
TTCTTTTTA	TGTCGTGAGA	TTTGTATTGG	CAAGAAGCAG
TTAATTAAA	GATGCTCTTC	CTATCTGTGG	ATGTGTTGGT
AACTCCGAGT	TGTAATGAGT	TCATGAAATG	TGCTGTTATT
TTTGTAAATCT	CAATAAATGT	GGATTGAAGT	TTTTCCCTT

-poly(A) -tail

Fig. 3

CAGCCTGCCA	CTTGCCTCCC	TGCCTGCTTC	TGGCTGCCTT
GAATGCCTGG	TCCTTCAAGC	TCCTTCTGGG	TCTGACAAAG
CAGGGACCAT	GTCTACCTTT	GGCTACCGAA	GAGGACTCAG
TAAAATACGAA	TCCATCGACG	AGGATGAACT	CCTCGCCTCC
CTGTCAGCCG	AGGAGCTGAA	GGAGCTAGAG	AGAGAGTTGG
AAGACATTGA	ACCTGACCGC	AACCTTCCCG	TGGGGCTAAG
GCAAAAGAGC	CTGACAGAGA	AAACCCCCAC	AGGGACATTC
AGCAGAGAGG	CACTGATGGC	CTATTGGGAA	AAGGAGTCCC
AAAAAACTCTT	GGAGAAGGGAG	AGGCTGGGGG	AATGTGGAAA
GGTTGCAGAA	GACAAAGAGG	AAAGTGAAGA	AGAGCTTATC
TTTACTGAAA	GTAACAGTGA	GGTTTCTGAG	GAAGTGTATA
CAGAGGAGGA	GGAGGAGGGAG	TCCCAGGAGG	AAGAGGAGGA
AGAAGACAGT	GACGAAGAGG	AAAGAACAAAT	TGAAACTGCA
AAAGGGATT	ATGGAACTGT	AAATTATGAT	AGTGTCAATT
CTGACAACTC	TAAGCCAAAG	ATATTTAAAA	GTCAAATAGA
GAACATAAAAT	TTGACCAATG	GCAGCAATGG	GAGGAACACA
GAGTCCCCAG	CTGCCATTCA	CCCTTGTGGA	AATCCTACAG
TGATTGAGGA	CGCTTGGAAC	AAGATTTAAA	GCAATGACCC
TGACACCCACA	GAAGTCAATT	TGAACAAACAT	TGAGAACATC
ACAACACAGA	CCCTTACCCG	CTTGCTGAA	GCCCTCAAGG
ACAACACTGT	GGTGAAGACG	TTCAGTCTGG	CCAACACGCA
TGCCGACGAC	AGTGCAGCCA	TGGCCATTGC	AGAGATGCTC
AAAGCCAATG	AGCACATCAC	CAACGTAAAC	GTCGAGTCCA
ACTTCATAAAC	GGGAAAGGGG	ATCCTGGCCA	TCATGAGAGC
TCTCCAGGCAC	AACACGGTGC	TCACGGAGCT	GCGTTCCAT
AACCAGAGGC	ACATCATGGG	CAGCCAGGTG	GAAATGGAGA

TTGTCAAGCT	GCTGAAGGAG	AACACGACGC	TGCTGAGGCT
GGGATACCAT	TTTGAACTCC	CAGGACCAAG	AATGAGCATG
ACGAGCATT	TGACAAGAAA	TATGGATAAA	CAGAGGCAA
AACGTTGCA	GGAGCAAAAA	CAGCAGGAGG	GATACGATGG
AGGACCCAAT	CTTAGGACCA	AAGTCTGGCA	AAGAGGAACA
CCTAGCTCTT	CACCTTATGT	ATCTCCCAGG	CACTCACCCCT
GGTCATCCCC	AAAACTCCCC	AAAAAAAGTCC	AGACTGTGAG
GAGCCGTCCT	CTGTCTCCTG	TGGCCACACT	TCCTCCTCCT
CCCCCTCCTC	CTCCTCCTCC	CCCTCCTTCT	TCCCAAAGGC
TGCCACCACC	TCCTCCTCCT	CCCCCTCCTC	CACTCCCAGA
GAAAAAGCTC	ATTACCAGAA	ACATTGCAGA	AGTCATCAAA
CAACAGGAGA	GTGCCAACG	GGCATTACAA	AATGGACAAA
AAAAGAAAAA	AGGGAAAAAG	GTCAAGAAC	AGCCAAACAG
TATTCTAAAG	GAAATAAAA	ATTCTCTGAG	GTCAGTGCAA
GAGAAGAAAA	TGGAAGACAG	TTCCCGACCT	TCTACCCAC
AGAGATCAGC	TCATGAGAAT	CTCATGGAAG	CAATTGGGG
AAGCAGCATA	AAACAGCTAA	AGCGGGTGG	AGTTCCAGAA
GCCCTGCGAT	GGGAACATGA	TCTTTAGAAG	AGGATGCAGA
ACTGTTAGT	GGTATTACAT	GAAATGCATT	GTGAGATGTT
TCTAAATAC	CTTCTTCAAT	TCAAAATGAT	CCCTGACTTT
AAAAATAATC	TCACCCATTA	ATTCCAAAGA	GAATCTIAAG
AAACATTCAG	CATGTTCTT	CTGTAAATAT	GAATATTAAT
TTCTTTTTA	TGTCGTGAGA	TTTGTATTGG	CAAGAAGCAG
TTAATTAA	GATGCTCTTC	CTATCTGTGG	ATGTGTTGGT
AACTCCGAGT	TGTAATGAGT	TCATGAAATG	TGCTGTTATT
TTTGTAAATCT	CAATAAATGT	GGATTGAAGT	TTTTCCCTT
TTTTAAAGC	CAAACTAATA	TTTTCTGTG	ACTTGATACA
TCTGTCAGAT	TTTTGTAATC	TCGATAAATG	TGTATTGAAG

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TTTTTCCCT	TTTTTAAAAA	AGCCAAACTA	ATATTTTCT
GTGAGTTAAT	ACATCTGTCAG	GTGTGTATGT	AACATTACTG
GACATTAAAA	AAAATTATTAC	ATTCTC-poly (A)	- tail

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Fig. 4

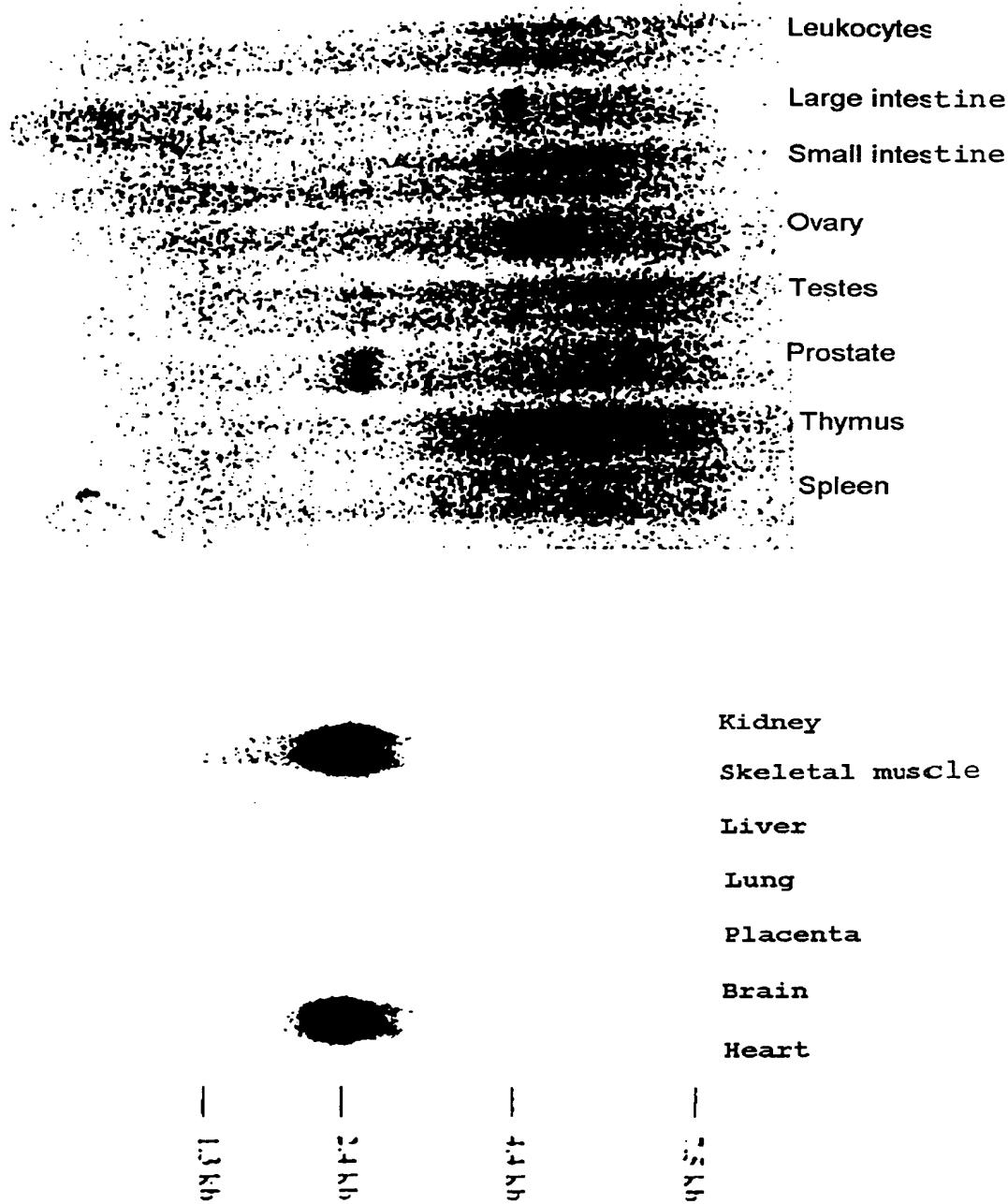
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EPDRNLPVGL	RQKSLTEKTP	TGTFSREALM	AYWEKESQKL
LEKERLGEKG	KVAEDKEESE	EELIFTESNS	EVSEEVYTEE
EEEESQEEEEEE	EEDSDEEERT	IETAKGINGT	VNYDSVNSDN
SKPKIFKSQI	ENINLTNGSN	GRNTESPAAI	HPCGNPTVIE
DALDKIKSND	PDTTEVNLLN	IENITTQTLT	RFAEALKDNT
VVKTFSLANT	HADDSAAAMAI	AEMLKANEHI	TNVNVESNFI
TGKGILAIMR	ALQHNTVLTE	LRFHNQRHIM	GSQVEMEIVK
LLKENTTLLR	LGYHFELPGP	RMSMTSILTR	NMDKQRQKRL
QEQQQQEGYD	GGPNLRTKVV	QRGTPSSSPY	VSPRHSPWSS
<u>PKLPKKVQTV</u>	RSRPLSPVAT	LPPPPPPPPP	PPPSSQRLPP
<u>PPPPPPPPPLP</u>	<u>EKKLITRNIA</u>	EVIKQQESAQ	RALQNGQKKK
KGKKVKKQPN	SILKEIKNSL	RSVQEKKMED	SSRPSTPQRS
AHENLMEAIR	GSSIKQLKRV	EVPEALRWEH	DL.

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Fig. 5a



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Fig. 5b

